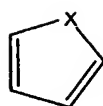
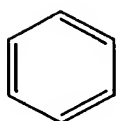
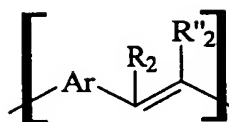
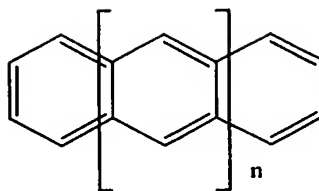


## CLAIMS:

1. An electronic device provided with an active element having a first and a second electrode, which are separated from each other by an active layer containing a semiconductive or electroluminescent organic material, characterized in that the organic material of an active layer is a polymer comprising conjugated conjugation units which are separated from each other by non-conjugated intermediate units B in such a manner that the conjugation of the first and the second conjugation unit  $A_1$ ,  $A_2$  is interrupted in an intermediate unit  $B_1$ .
2. An electronic device as claimed in claim 1, characterized in that the polymer is polymer network comprising a first and a second main chain which are interconnected via side chains, a side chain containing a  $B_1$ - $A_1$ - $B_2$  structure, with  $B_1$ ,  $B_2$  being intermediate units and  $A_1$  being a conjugation unit.
3. An electronic device as claimed in claim 1, characterized in that the polymer is a copolymer comprising a main chain, the intermediate units B and the conjugation units A being present in the main chain as alternating units  $\dots$ - $A_1$ - $B_1$ - $A_2$ - $B_2$ - $\dots$ .
4. An electronic device as claimed in claim 1, characterized in that the polymer comprises a main chain with side chains, a side chain containing a  $B_1$ - $A_1$ - $B_2$ - structure, wherein  $B_1$ ,  $B_2$  are intermediate units and  $A_1$  is a conjugation unit.
5. An electronic device as claimed in claim 1, characterized in that the intermediate unit  $B_1$  comprises a mesogenic group.
6. An electronic device as claimed in any one of the preceding claims, characterized in that the conjugation unit is a unit of formula  $Y_n$ , wherein  $2 \leq n \leq 8$  and Y is selected from the group composed of



X =, NH, S, O



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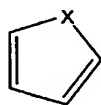
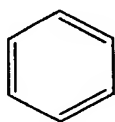
wherein

- Ar is an aromatic ring system with 4 to 6 carbon atoms that may be substituted with a  
 10 substituent selected from the group composed of an unbranched C<sub>1</sub>-C<sub>20</sub>-alkyl-, C<sub>3</sub>-C<sub>20</sub>-  
 alkoxy-, C<sub>1</sub>-C<sub>20</sub>-alkylsulphate-, a branched C<sub>3</sub>-C<sub>20</sub>-alkyl-, phenyl or benzyl group, and that  
 may comprise up to 4 heteroatoms selected from the group composed of oxygen, sulfur and  
 nitrogen in the aromatic ring system, and  
 R<sub>2</sub> and R'<sub>2</sub> are selected from the group composed of a hydrogen atom and a C<sub>1</sub>-C<sub>20</sub>alkyl- and  
 15 a C<sub>4</sub>-C<sub>20</sub>-aryl group, which groups may comprise substituents.

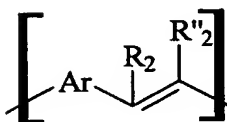
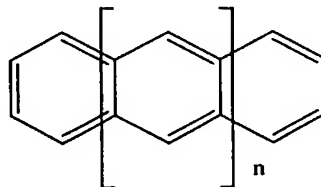
7. An electronic device as claimed in claim 1, characterized in that a second  
 active element is present, which contains a first and a second electrode which are mutually  
 separated by the active layer, and in that the active layer has a relief structure, so that the  
 20 active layer between the first and the second active element is removed.
8. An electronic device as claimed in claim 1 or 7, characterized in that the active  
 element is a transistor wherein a third electrode is present which is separated from the active  
 layer by a dielectric, and wherein the active layer comprises an intrinsic, undoped  
 25 semiconductive material.
9. A method of preparing a polymer comprising conjugated conjugation units A  
 and non-conjugated intermediate units B, an intermediate unit B<sub>1</sub> mutually separating a first  
 and a second conjugation unit A<sub>1</sub>, A<sub>2</sub> in such a manner that the conjugation of the first and  
 30 the second conjugation unit A<sub>1</sub>, A<sub>2</sub> is interrupted in the intermediate unit B<sub>1</sub>, characterized in

that the polymer is prepared from a monomer having a  $B_1-A_1-B_2$  structure, wherein at least one of the groups  $B_1$ ,  $B_2$  comprises a reactive end group.

10. A monomer having a  $B_1-A_1-B_2$  structure, wherein  $A_1$  is a conjugated unit  
5 of formula  $Y_n$ , wherein  $2 \leq n \leq 8$  and  $Y$  is selected from the group composed of



$X = \text{NH, S, O}$



10

wherein

- Ar is an aromatic ring system with 4 to 6 carbon atoms that may be substituted with a  
15 substituent selected from the group composed of an unbranched  $C_1$ - $C_{20}$ -alkyl-,  $C_3$ - $C_{20}$ -alkoxy-,  $C_1$ - $C_{20}$ -alkyl sulphate-, a branched  $C_3$ - $C_{20}$ -alkyl-, phenyl- or benzyl group, and that may contain up to 4 heteroatoms selected from the group composed of oxygen, sulfur and nitrogen in the aromatic ring system, and

- $R_2$  and  $R'_2$  are selected from the group composed of a hydrogen atom and a  $C_1$ - $C_{20}$ -alkyl- and  
20 a  $C_4$ - $C_{20}$ -aryl group, which groups may comprise substituents, and wherein  $B_1$ ,  $B_2$  are non-conjugated groups.

11. A method as claimed in claim 9, characterized in that the monomer used is the monomer as claimed in claim 10.

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12. A polymer that can be obtained by means of the method as claimed in claim 9.